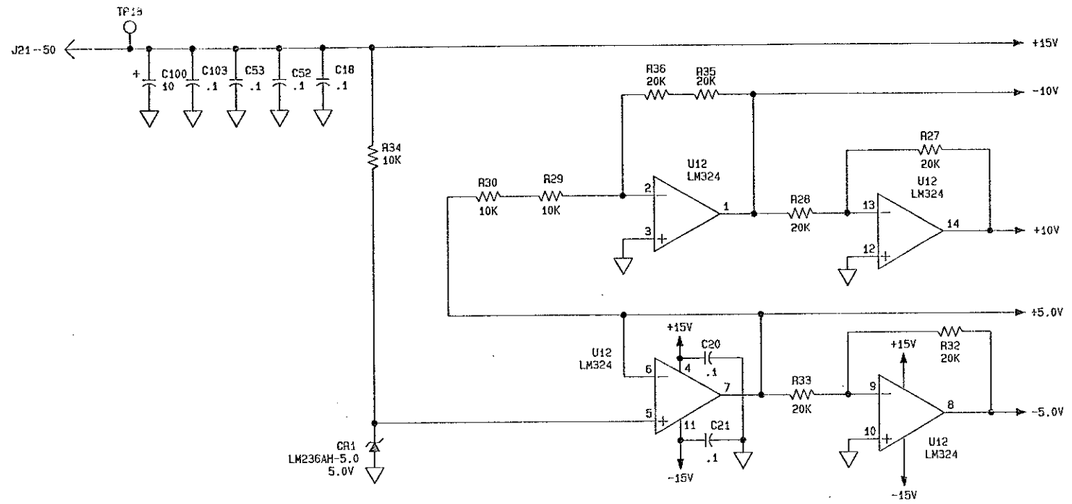
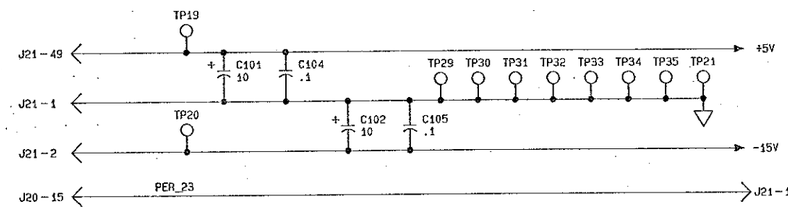
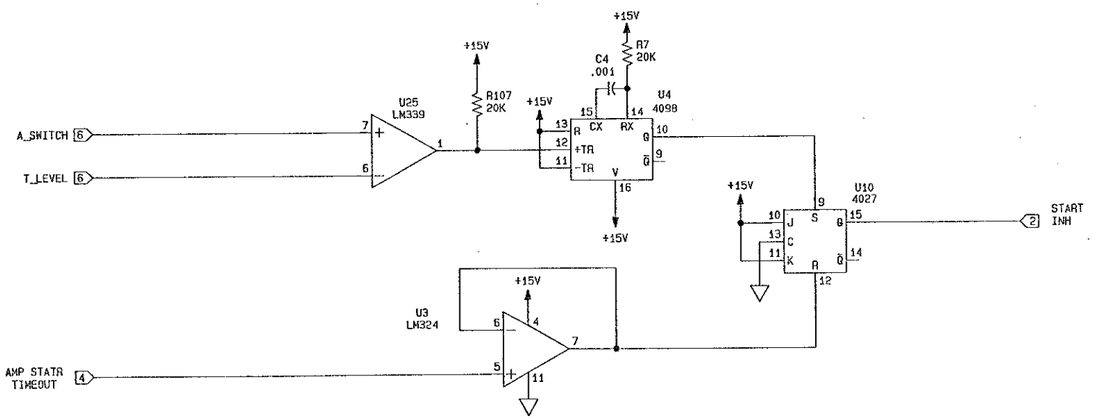
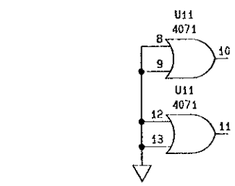
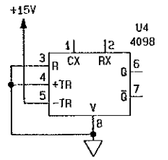


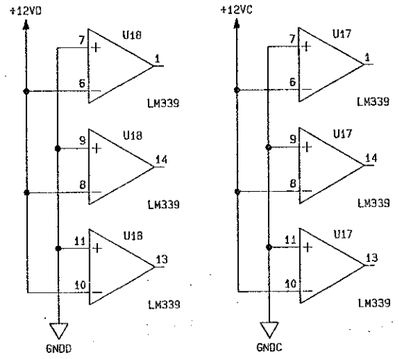


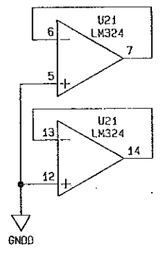


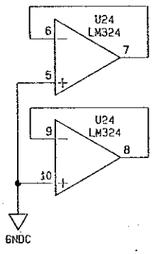


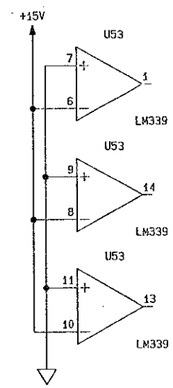
SPARES

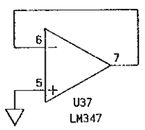


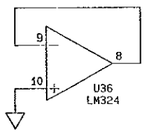












I.C. POWER / GND CHART [3]			
DEVICE	+V	-V	REFERENCE DESIGNATORS
LM324	+15	GND	U3, U42, U50, U52
LM324	+15	-15	U12, U15, U36, U38, U46, U47, U51, U55
LM324	+12VD	GNDD	U21
LM324	+12VC	GNDC	U24
LF347	+15	-15	U37
LM356	+15	-15	U43
LF398	+15	-15	U44
ALL OTHERS	+15	GND	ALL OTHERS

NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL RESISTOR VALUES ARE IN OHMS, 1/4W, 5%.
2. ALL CAPACITOR VALUES ARE IN MICROFARADS.
3. POWER AND GROUND PINS SHOWN ON THIS CHART ARE NOT SHOWN ELSEWHERE ON THIS SHECHATIC.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED

DWG. NO. | SH | REV.

DS12 TP33 SW1	R158		
C114 Q23 CR29	C40		
U46 JP4 R274			
LAST USED	NOT USED		

REFERENCE DESIGNATORS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
XX
XXX

MATERIAL

FINISH

DO NOT SCALE DRAWING

APPROVALS	DATE
DRAWN SG	12/22/92
CHECKED	
ENGRG	

Spectra-Physics
Mountian View, CA 94042

DRAWING TITLE
SCHEMATIC, CONTROL AMP PCB

SIZE	FSCM NO.	DWG. NO.	REV.
D		0449-5030	A

SCALE | 11-03-94 | SHEET 1 OF 7